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AMERICAN DYNAMICS

ADC780

VANDAL RESISTANT CAMERA PRE-PACKS

FEATURES

- Vandal resistant
- Surface dome, flush dome and corner mount housings
- Indoor and outdoor versions
- Tamper resistant fasteners
- Cast aluminum with polycarbonate window
- 480-line color camera, installed
- 2.6-6 mm variable focal lens
- Auto iris
- Weather resistant (outdoor version)
- Backlight compensation
- Heater options
- Easy to install

The ADC780 Series of pre-packaged vandal resistant cameras is designed for tough environments where a typical camera would not survive. The housing is made of heavy-duty cast aluminum with a polycarbonate viewing window. The camera inside is protected by the housing's unique tamper resistant hardware.

For the surface dome and corner mount versions, an overlapping cover with a gasket is designed to protect against water intrusion. With the optional thermostatically controlled heater, the camera will operate in temperatures from –40° to 50° C (-40° to 122° F). The heater is not available with the flush mount version.

The installed camera is a high-resolution color camera with 480 lines of resolution and a 2.6-6 mm variable focal, auto iris lens. This one camera will meet or exceed most viewing requirements, providing a sharp picture with true colors.

These packages are ideal for schools, parking garages and correctional facilities where cameras are subject to abuse.

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AMERICAN DYNAMICS ADC780 VANDAL RESISTANT HOUSINGS

SPECIFICATIONS

Model Numbers*

ADC780SD-24 . . . . . .Surface Dome - NTSC
ADC780FD-24 . . . . . .Flush Dome - NTSC
ADC780CM-24 . . . . . .Corner Mount - NTSC
ADC780SD-24HI . . . . . .Surface Dome with Heater Installed
ADC780CM-24HI . . . . . .Corner Mount with Heater Installed
ADC780SD-24X . . . . . .Surface Dome - PAL
ADC780FD-24X . . . . . .Flush Dome - PAL
ADC780CM-24X . . . . . .Corner Mount - PAL
ADC780SD-24H . . . . . .Heater Kit for Surface Dome
ADC780CM-24H . . . . . .Heater Kit for Corner Mount

* Housing is shipped with mounting screws with gaskets.
* Recommended installation materials (not supplied): Teflon® plumbers tape and UL® listed electrical tape.

Operational

Imager . . . . . .1/4-inch Interline transfer CCD
Video Output . . . . . .1.0 Vp-p/ 75 Ω, composite
Active Pixel Count
NTSC . . . . . .768 (H) x 494 (V)
PAL . . . . . .752 (H) x 582 (V)
Lens . . . . . .2.6-6.0 mm variable focal, auto iris lens
Minimum Scene
Illumination . . . . . .3.0 lux (f1.4 lens) at 50 IRE
0.4 lux (f1.4 lens) at 20 IRE
Horizontal Resolution . . . . . .480 TV lines
Light Compensation Modes . . .Automatic electronic shutter, On/Off
(NTSC 1/60 –1/100,000 sec)
(PAL 1/50 –1/100,000 sec)
Auto Iris Drive . . . . . .DC
Backlight Compensation . . . . . .On/Off selectable
Synchronization Modes . . . . . .Internal/line-lock with phase adjustment
White Balance . . . . . .Automatic
Geometric Distortion . . . . . .None
S/N Ratio . . . . . .-50 dB
Manual Pan . . . . . .335°
Manual Tilt . . . . . .75°

Controls

AES . . . . . .On/Off
AGC . . . . . .On/Off
Synchronization . . . . . .Internal/line-lock with phase adjustment
DC Iris . . . . . .Level control

Connectors

Input Power . . . . . .Screw terminal block
Composite Video . . . . . .BNC on cord

Electrical

AC Voltage . . . . . .24 VAC (+20%, -15%)
60 Hz NTSC
50 Hz PAL
Power Consumption . . . . . .3.0 watts

Mechanical

Dimensions (W x H x D)
Surface Dome . . . . . .120 x 120 x 91.5 mm (4.72 x 4.72 x 3.64 in)
Flush Dome
Total . . . . . .120 x 120 x 91.5 mm (4.72 x 4.72 x 3.64 in)
Above Ceiling . . . . . .39 mm (1.54 in)
Below Ceiling . . . . . .52.5 mm (2.07 in)
Corner Mount . . . . . .105 x 120 x 127 mm (4.13 x 4.72 x 5.00 in)
Weight
Surface Dome . . . . . .590 g (1.30 lbs)
Flush Dome . . . . . .450 g (1.00 lbs)
Corner Mount . . . . . .590 g (1.30 lbs)
Color . . . . . .Light beige
Construction . . . . . .Cast aluminum housing with polycarbonate bubble or window

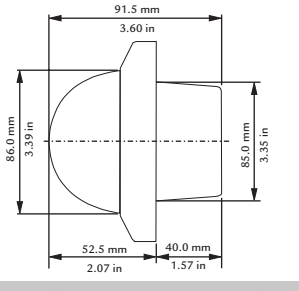
Environmental

Operating Environment
Surface Dome . . . . . .Indoor/Outdoor
Flush Dome . . . . . .Indoor
Corner Mount . . . . . .Indoor/Outdoor
Operating Temperature . . . . . .-10° to 50° C (14° to 122° F)
with Optional Heater . . . . . .-40° to 50° C (-40° to 122° F)
Humidity . . . . . .90% RH (non-condensing)
Storage Temperature . . . . . .-20° to 60° C (-4° to 140° F)

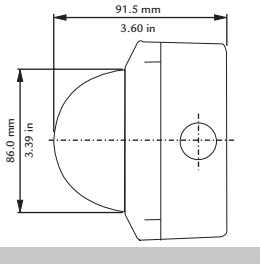
Regulatory

Emissions . . . . . .FCC Part 15, Class A
CE: EN55022
ICES-003
Immunity . . . . . .CE: EN55082-1
CE: EN50130-4
Safety UL1950
CSA C22.2 No. 950
EN60950
Weather Resistance
Surface Mount . . . . . .NEMA 4, IP43
Flush Mount . . . . . .NEMA 1, IP40
Corner Mount . . . . . .NEMA 3R, IP43
Impact Resistance . . . . . .ASTM D5420-98A

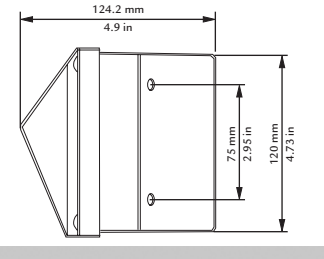
ADC780FD Flush Mount Side View



ADC780SD Surface Mount Side View



ADC780CM Corner Mount Side View



Product specifications and availability subject to change without notice.
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